

14230 U.S.PTO

040804

**PATENT APPLICATION**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

19587 U.S.PTO  
10/821310

040804

Sir:

Enclosed herewith for filing is the following **utility patent application**:

**Applicant(s):** Kallol Bera  
Heeyeop Chae  
Hamid Tavassoli  
Yan Ye

**Title of Application:** APPARATUS FOR CONTROLLING GAS FLOW IN  
A SEMICONDUCTOR SUBSTRATE PROCESSING  
CHAMBER

Pages of specification: 16 (including 4 pages of claims and  
1 page of abstract)

Sheets of drawing: 5

Executed on: APRIL 8, 2004 Docket No.: 8549/ETCH/DRIE/JB1

PATENT APPLICATION FILING FEE CALCULATION					
	No.	Filed	Less	Rate/Claim	Fee
Total Claims		22	-20	2 x \$18.00	\$ 36.00
Independent Claims		2	- 3	0 x \$86.00	\$ 0.00
				Minimum Filing Fee	\$770.00
				Multiple Dependency Fee (if applicable - \$280.00)	\$
				50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached	- \$ 0.00
				Assignment Recordation Fee	\$ 40.00
				<b>TOTAL FILING FEE</b>	<b>\$846.00</b>

Kindly charge the entire and/or any additional filing fee, as appropriate, to Deposit Account No. **50-1074**. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

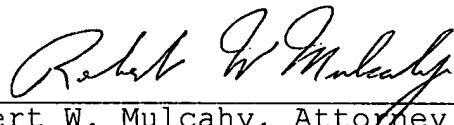
**Please direct all correspondence to:**

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052

Also enclosed herewith for filing in connection with the enclosed application are:

Declaration and Power of Attorney;  
 An assignment of the application to  
Applied Materials, Inc.;  
 5 sheets of formal drawings.

Respectfully submitted,

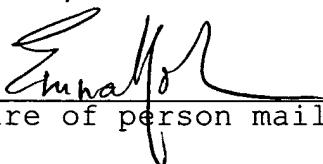


\_\_\_\_\_  
Robert W. Mulcahy, Attorney  
Reg. No. 25,436

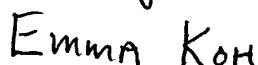
**\*\*\*EXPRESS MAIL CERTIFICATION\*\*\***

"Express Mail" mailing label number: EV341109513 US  
Date of deposit: APRIL 8, 2004

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



\_\_\_\_\_  
Signature of person mailing paper or fee



\_\_\_\_\_  
Name of person mailing paper or fee